Based on 44 sources	Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9
Module Name	**Technical Domain**	**Description**	**Standards/Regulatory Compliance**	**Operational Framework Component**	**Data Metric/Value**	**Credential Mapping (Inferred)**	**Source**		
GENIAC	Military Combat Engineering / AI / Infrastructure Automation	A multi-disciplinary module and flagship initiative (Operation GENIAC) focusing on military-grade logic, research, and technical trade skills. Includes the State Asset Information Management System (SAIMS) for digitizing and automating public infrastructure assets, tactical engineering systems (bridge building, watermanship), and generative intelligence for transformer science and human-machine collaboration.	SAQA, NQF, MIL-STD, ECSA, POPIA, IFMS, B-BBEE, PSIRA, SABS, DHET, SANDF, SAPS, IEC	Infrastructure Overhaul, Defense Planning, and Cybersecurity (ZTNA, NAC)	Budget: R40,000,000 to R50,000,000,000; R600M investment; R1B revenue target; 75MHz clock speed; 64KB memory; Combat Mass: 30F	NQF Level 6–9 (National Diploma to Master's Degree level); Professional Recognition in Utility Management	[1-8]		

S.E.E.E.I.S.U.A (Framework)	Urban Energy Governance / Infrastructure Policy	Social Education and Industrial Trade Vocational career module and holistic framework (Strategic, Economic, Environmental, Engineering, Institutional, Social, Utility, Asset). Focused on rural/urban electrification, grid overhaul, intergovernmental energy regulation (South Union Africa), and circular assessment for engineering subjects.	SAQA, NQF, SABS, SANS, ISO 37301, SGB, QCTO, ECB, PSIRA, DHET, NFPA 70-2014, NDP 2030, ERRP, Public Procurement Act (2024)	Grid Infrastructure, Energy Management, and Policy Scaffolding	0.3 to 0.4 kWh/day limit; 13.8kV Primary/4.16kV Secondary; 3750KVA; 3600 kWh annual index; R350B/year public investment target; 87% machine availability	NQF Level 6–10 (National N Diploma to Doctorate in Infrastructure Management); Professional Engineer/Technologist	[1-8]

Madinda Utilities AMI Rollout	Advanced Metering Infrastructure / Electrical Engineering	National rollout of DLMS/COSEM-compliant hardware for urban revenue protection, featuring localized manufacturing (two production plants and 13 satellite warehouses).	IEC 62056-5-3, DLMS/COSEM, AFSEC, SABS, NRS 049-2:2024	Industrial Localisation and AMI Manufacturing	0.3-0.4 kWh daily production (SHS); >$126M COP24 grant; 2,700 direct jobs	Technical leadership in smart grid manufacturing (NQF Level 6)	[7, 9]
Advanced Electrical Engineering Curriculum	Education Technology / Power Systems	Structured technical training encompassing Advanced Electromagnetic Theory, DSP, Control Systems Design, and Renewable Energy Systems.	NRF, SARAO, ECSA, SAQA ID 90674, QCTO	Curriculum Assessment and Audit-Ready Learning Pathways	360 Credits (NQF Level 6); ICASS Test Weightings: 30% (Test 1), 70% (Test 2)	Academic mapping to National N Diploma and Professional Engineering registration	[7, 10]

PSIRA Compliance and Security Policing	Security Policies and Law Enforcement	Regulation and control of the security occupation in the public/national interest, including the installation of electronic security systems.	PSIRA Act 56 of 2001, SASSETA, LRA	Security Management and Intelligence Infrastructure	30 to 90 days standard investigation period	Professional Security Certification (Grade A, B, C)	[1]
National Trade Portfolio Evaluation	Security and Education Policy	Comprehensive assessment of trade portfolios including site inspections at utilities (City Power/Eskom) for work readiness.	QCTO, SAQA, NQF	Work-Based Learning (WBL) / Portfolio of Evidence	2,670 hours (24 months) relevant work experience required	NQF Level 6 / Professional Artisan Status	[11]

Embedded Systems and Digital Logic	Educational Technology / Computer Engineering	Introduction to digital system fundamentals, Boolean algebra, logic gates, and algorithmic state machines for microcontrollers.	NQF Level 6, IEEE Standards	Software and Hardware Integration Framework	120 credits minimum	Bachelor of Science in Engineering (NQF Level 7/8)	[1]
Information Management Systems	Education Technology / Security Policy	Systems for tracking student progress, career alignment, and security policy integration using data science.	SAQA, LRA, CCMA, POPI Act	Log Activity and Information Management System	100 MB storage limit; 360 credit points	ICT Support Specialist / Data Scientist (NQF Level 5-7)	[5]

NATED / NCV Integration	Vocational Education Curriculum	Framework combining academic-based (NATED) and practical-based (NCV) systems for holistic engineering education.	NQF, DHET, QCTO	Blended Learning (Online/Classroom /Workplace)	ICASS Weighting: Test 1 (30%), Test 2 (70%)	National N Diploma (NQF Level 6)	[12, 13]
Smart Power Metering Module	Urban Energy Management	Three-phase smart power measurement system utilizing GPRS for remote communication and billing data processing.	IEC 62056, IEC 61850	Data Inventory Management	240 VAC +20%; 0-60A range; 10 kWh energy limit	Electrical Systems Technician (NQF Level 6)	[4]

Industrial Electronics (N5)	Power Control and Signal Processing	Advanced electronic principles including AC theory, power supplies, amplifiers, and transducers.	SANS 10142-1, OHS Act	Technical Calculations and Derivation	80% pass mark; VDC≈309.6V	Electronic Engineer / Systems Optimizer (NQF Level 6)	[5]
Modicon PLC Configuration	Industrial Automation and Control	Programming and integration of programmable logic controllers for process machine control and variable speed drives.	IEC 17025, SANS Class 0,2	Technological Integration / Digital Transformation	30kA SCCR; 230V AC Coil; 1200 note/Min	Technical Expert / Automation Specialist	[6]

DL SGWD-AI / FACTORY-AI	Smart Grid & Factory Automation	Advanced didactic laboratories and manufacturing simulations combining AI-driven analytics, IoT devices, and electrical networks.	ISO 9000, IEEE, MODBUS RTU, RS485	Infrastructure Overhaul / Curriculum Strategy	Class 0.2 Accuracy; OEE: 50%	Smart Grid / Industrial Automation Engineer (NQF Level 6)	[2]
GENIE (SECURITY / POLICE)	Cyber Resilience / Regulatory Enforcement	Embedded protocols for infrastructure protection, biometrics, and municipal/industrial energy compliance auditing.	PSIRA Grade A–E, MIL-STD, DHET, OHS Act	Intrusion Detection and Industrial Zone Regulation	Security Posture: SAST/DAST metrics; 80% vending compliance	Security Management Professional / Compliance Officer	[8]

Electrical Trade Theory N1-N2	Military Combat and Electrical Engineering	Foundational training in DC theory, wiring standards, and magnetism applied to industrial and security infrastructure.	SANS 10142-1:2024, MIL-STD, IEC	Curriculum Structure / Blended Learning	Pass Mark: 40%; Duration: 3 hours; 30% DC Theory weighting	NQF Level 2 / Trade Test Eligibility	[11]
TeSys™ T LTMR	Motor Management and Control	Motor management controller providing monitoring, protection, and control functions.	IEC 61508, SIL 2, IEC 60364	Logic Solver with Passive Input	4-20mA loop current (3.6mA low to 21mA high)	Technical Systems Operator/Maintenance Engineer	[3]
Matrix-UPS	Power Protection and Distribution	Line interactive uninterruptible power supply for protected computer loads.	UL 1778, CSA C22.2, EN 60 950, FCC Part 15	Power fault detection and isolation filter	Efficiency: 93% at 100% load; Overload: 10 sec at 200%	Data Center Infrastructure Specialist	[3]

Transformer Systems Analysis	Electrical Infrastructure	Calculations and design for substation transformers and medium-voltage distribution networks.	SANS 10142, IEC 60364	Data Inventory	3200 kVA Peak Capacity	Power Systems Technician	[2]
MetBook Operations	Security Sector Policy	Electronic duty book automation and licensing administration for policing and private security sectors.	PSIRA, SASSETA, SAPS	Infrastructure Overhaul	9000V Fence Threshold	Security Licensing Administrator	[2]
Collision Scenario Engine	Simulation / Industrial Safety	Models impact, response, and investigation protocols for infrastructure safety and tactical readiness.	MIL-STD-882	Diagnostic modeling and scenario investigation	Impact diagnostic simulation; RRT algorithms	Safety Engineer / Systems Analyst	[8]

Automated Teller Machine System	Security & Financial Technology	Secure transaction processing system with PIN encryption and database integration for auditing.	PSIRA, ISO/IEC 27001	Security Policy Implementation	6.5 Service Charge; 150 Balance; PIN 9343	Security Software Developer (NQF Level 7)	[4]
Microgrid Optimization Module	Urban Energy Governance	AI-driven optimization for hybrid renewable microgrids and smart grid energy storage technologies.	SABS, Dept of Energy (RSA)	Infrastructure Overhaul / Rural Electrification	0.3 to 0.4 kWh per day SHS; Budget: $4,000,000	Master of Engineering (MSEE)	[6]
Energy: Domestic Systems	Renewable Energy / Electrical Engineering	Mandatory units covering wind turbine systems and solar hot water systems for domestic use.	National Occupational Standards (NOS), SCQF	Curriculum Assessment Strategies	24 SCQF credits; ±3mm tolerance level	Engineering Technician / Renewable Energy Installer	[5]

Drawing Analyse Design System	Engineering & Education Technology	Transdisciplinary framework for technical system analysis through schematic interpretation and fault diagnostics.	SAQA, NQF, ISO 1999	Curriculum Assessment Strategy	12.88 MB File Size; 32.768kHz Crystal Frequency	Trade Theory Certification (NQF Level 4/5)	[4]
Electrical Diploma Validator	Education Technology / Credentialing	Visual Basic automation suite used for validating N4–N6 credentials and diploma authenticity.	SAQA, DHET, QCTO	Credential Dashboard with NQF Tracking	Automation logic for 360 credits validation	Academic Registrar / Assessment Moderator	[8]
Schneider Home Certification	Home Energy Management	Training for installing and commissioning home energy management systems including inverters.	NABCEP	Commissioning with eSetup App / Smart Panel App	80% passing score required	Professional Installer Certification	[3]

Traction Substations (Type 1 & 2)	Railway and Urban Transportation	Facilities responsible for supplying trains with electrical energy.	Not in source	Operational Management (Monitoring and Control)	Manage ~75% of railway electricity; 25kV AC / 600V-3.3kV DC	Electrical Infrastructure Project Manager	[3]

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Date	Institution / Platform	Item / Module	Sale Price	Amendment	Final Cost	Award / Certificate	Status	Notes / Integration Points	Source
10/8/2025	Atlantic International University	MBM302 Master Thesis Review	$450.00	Research Grant Applied (-$150.00)	$300.00	Master of Engineering Systems – Thesis Accepted	Accepted	Portfolio artifact submitted to LMS and AIU Library	[1]

	10/8/2025 NRF / AIU	MATLAB Research License	R12,000.00	NRF Grant Applied (-R8,000.00)	R4,000.00	IJETR3156 – Paper Accepted	Accepted	SCQF/NQF Level: 8. Portfolio artifact submitted to NRF dashboard and AIU Library	[1]
	10/8/2025 NSF / F1000Research	Open Access Publication Fee	$1,200.00	NSF Grant Applied (-$800.00)	$400.00	F1000Research Poster Accepted – Helicases and Translocases	Accepted	Publication indexed in PubMed Central and linked to AIU thesis	[1]
2023-Present		Atlantic International University (AIU)	Doctorate in Engineering (Specialist Infrastructure)	$35.00	Not in source	Not in source	Doctorate in Engineering (In Progress)	Pending	Focus on infrastructure, sustainability, and credential reform	[2]
	10/8/2025	ECSA / CCMA / Home Affairs	Professional Engineering Registration	R1,500.00	Academic Grant Applied (-R500.00)	R1,000.00	Certificate – Registered Professional Engineer	Record submitted	Record submitted to CCMA dispute resolution log and Master Court archive	[1]

Not in source	SAQA / NATED	National N Diploma in Electrical Engineering	Not in source	Not in source	Not in source	National N-Diploma (N4–N6)	Audit Readiness	SCQF/NQF Level 6; ID: 90674; Includes WA code competency mapping for ECSA registration	[2]
7/1/2012	Cape Peninsula University of Technology / SAQA	Doctor of Technology: Engineering: Electrical (ID 78780)	Not in source	Replaced by ID 97019	Not in source	Doctoral Degree	Passed End Date (2014-12-31)	SCQF/NQF Level 10; 240 Credits; HEQSF sub-framework	[3]
10/8/2025	Schneider Electric / Eaton	EcoStruxure Smart Panel	R12,000.00	Club Clipsal Loyalty Credit (-R2,000.00)	R10,000.00	Certificate – Energy Management Compliance	Record submitted	Record submitted to GitLab audit log and Azure DevOps billing portal	[1]
10/8/2025	Eaton Power Advantage	9PX UPS System Sale	R18,000.00	Partner Discount (-R3,000.00)	R15,000.00	Certificate – Power Management Fundamentals	Record submitted	Record submitted to LMS and GitHub audit log	[1]

10/8/2025	City Power Johannesburg	Smart Meter Installation – Industrial Zone 3	R3,200.00	Eskom Loadshedding Adjustment (-R830.00)	R2,370.00	Certificate – Energy Efficiency Compliance	Audit readiness	Record submitted to municipal audit portal and SCQF/NQF compliance dashboard	[1]
15-Oct-25	National Science Foundation (NSF)	NSF Pitch #00110596	$1,000.00	($250.00)	$750.00	Pending Review	Audit Ready	Linked to GitHub/GitLab audit sheet; Power Management focus	[4]
9/1/2025	Ministry of Higher Education and Research (France)	BTS Electrotechnics (Electrotechnique)	Not in source	Not in source	Not in source	Brevet de Technicien Supérieur (BTS)	Registration start date	EQF Level 5; NSF Codes 227, 250, 255; RNCP41007; Smart electrical installations	[3]
3/17/2020	Government of France (Journal Officiel)	Decree defining BTS Electrotechnique delivery conditions	Not in source	Modified 2023-01-05	Not in source	Official Decree	Legally active	Articles D643-1 to D643-35-1; OQSF compliance	[3]

10/8/2025	GitHub	Reward Model Deployment – PRM	$120.00	Open Source Credit (-$40.00)	$80.00	Contributor Badge – RewardHub	Record submitted	Record submitted to GitHub audit log and Archive.org metadata index	[1]
11/20/2024	Schneider Electric	Masterpact MTZ Substitution & Technical Guide	Not in source	Not in source	Not in source	Technical Guide	Audit trace enabled	Size: 20.7 MB. Used for mapping legacy-to-modern product equivalence and trade test validation	[5]
2021	Schneider Electric	Industrial Automation & Sustainability	Not in source	Not in source	Not in source	LMS-integrated module	Completed	Integrated with LMS platforms for sustainability training	[2]
21-May-25	Digital Factory / Schneider Electric	Altivar Machine Professional Certification (Version 23.0)	Not in source	Not in source	Not in source	Altivar Machine Professional	In Progress	30+ hours curriculum; includes ATV320/340 and ATS480 functions	[4]

Not in source	Schneider Electric University	Professional Energy Manager (PEM)	Not in source	Not in source	Not in source	Professional Energy Manager	In Progress	68h 15min curriculum; 91 modules including HVAC and Energy Audits	[4]
14-Jan-24	Industrial Automation Academy / Schneider Electric	Easy Lexium 16 Servo Drives & BCH Servo Motors	Not in source	Not in source	Not in source	Not in source	In Progress	eLearning module; covers motion and HMI	[4]
2024-2025	SQA	Electrical Engineering Principles (J6CW 47)	Not in source	Not in source	Not in source	SCQF Level 7	Pilot (NextGen HN v4.0)	24 Credit Points. Outcomes include DC Principles and Three-Phase Principles	[6]
5/16/2023	SQA	AH Engineering Science 2023 (X823/77/11)	Not in source	Not in source	Not in source	Advanced Higher	Audit-ready	Topics: Project Planning, Amplifier Design, Solar Heating. Worksheet required	[6]

5/16/2025	SQA	AH Engineering Science 2025 (Paper X823/77/11)	Not in source	Not in source	Not in source	Advanced Higher	Audit readiness	75 marks total. Includes modules on Project Management and Structural Analysis	[6]
2024	SQA / DHET	Engineering Trade Theory (N1-N2)	Not in source	Not in source	Not in source	Trimester Evaluation	Completed	Mapped to SANS 10142-1 standards; 100 hours total work schedule	[2]
12/5/2019	SAQA (South African Qualifications Authority)	National Certificate: Electrical Engineering (ID 72051)	Not in source	Replaced ID 48475	Not in source	National Certificate	Passed End Date (2023-06-30)	SCQF/NQF Level 03; 133 Credits; Mining Specialization (ID 72071)	[3]
10/8/2025	Alison Learning	Diploma in Electrical Engineering	$124.46	October Sale Discount (-25%)	$93.35	CPD Accredited Diploma – Electrical Engineering	Record submitted	Record submitted to SCQF/NQF dashboard and GitHub credential repository	[1]

Not in source		ALISON	Professional Certification Journey	Not in source	Not in source	Not in source	Certification Modules	Completed	Digital credentialing for lifelong learning scaffolding	[2]
	10/8/2025	Sci-Bono Discovery Centre	Electrical Wiring Kit	R450.00	DHET Grant Applied (-R150.00)	R300.00	Certificate – Basic Electrical Safety	Portfolio artifact submitted	SCQF/NQF Level: 4, WA Code: EA2. Portfolio artifact submitted to LMS	[1]
	2020	Sci-Bono / DHET	Facilitator Training & Curriculum Mapping	Not in source	Not in source	Not in source	DHET-accredited certification	Completed	Focus on educator training and curriculum design	[2]
	10/8/2025	St Peace College	Engineering Drawing Textbook	R350.00	Academic Grant Applied (-R100.00)	R250.00	Certificate – Fundamentals of Electrical Systems	Submitted for moderation	SCQF/NQF Level: 5. Portfolio artifact submitted for moderation	[1]

	10/8/2025	Shoprite / CNA / Elektor	Elektor Electronics Starter Kit	R450.00	Subscriber Discount (-R90.00)	R360.00	Certificate – Electronics Fundamentals	Record submitted	Record submitted to GitHub credential repository and SCQF/NQF dashboard	[1]
	10/8/2025	SASSETA / CCMA	Labour Law Training Module	R1,200.00	UIF Credit Applied (-R400.00)	R800.00	Certificate – Workplace Dispute Resolution	Record submitted	Record submitted to MERSETA dashboard and Home Affairs compliance log	[1]
	5/18/2015	QCTO	Electrical Engineering N4–N6	Not in source	Not in source	Not in source	NATED Accreditation	Accredited (Exp: 2020-05-18)	Provider: Academy of Training and Developme nt. Accreditation No: NATED/15/0417	[7]

	10/8/2025	Metropolitan Police UK	Use of CCTV footage for research	£500.00	Academic Research Waiver (-£200.00)	£300.00	Publication Approved – F1000Research	Approved	IP license granted under non-commercial clause; record submitted to ORCID	[1]
Not in source		JGU / Public Policy Program	MA Public Policy	₹3,00,000.00	Not in source	~$3,400.00	Master of Arts	Audit Readiness	Tracks: Data Analytics / Policy Design. Integration with SQL and dashboard logic	[7, 8]
	10/4/2024	GitHub / Microsoft Learn	Accelerate app development by using GitHub Copilot	Not in source	Not in source	Not in source	Module Assessment Passed	Complete (100% Score)	Duration: Various. Part of APL-2007 path. Integration with Visual Studio Code	[5, 7]

	11/16/2024	Microsoft Learn	Build custom agents for Microsoft Teams	Not in source	Not in source	Not in source	Learning Path Complete	Complete	Focused on business needs environment. Logged in Training Transcript	[5, 7]
	2023	Microsoft	Digital Credentialing & LMS Strategy	Not in source	Not in source	Not in source	Portfolio-ready credential	Completed	Strategic integration for digital portfolio scaffolding	[2]
	15-Oct-25	PRM	Engineering Career Discovery Journey: Experimental, Theoretical, Practical	Not in source	Not in source	Not in source	Transcript Report	Completed	Integrated with SAQA, BICSI, CPD; includes business and digital skills	[4]
	8/1/2018	NIMI (National Instructional Media Institute)	Electrician 1st Year (Volume I) Trade Theory - NSQF Level 5	₹285.00	Not in source	₹285.00	Not in source	Published	NSQF Level 5; Electrical Sector; Semester Pattern	[3]

Not in source		Burger Huyser Attorneys	Complete Engineering Patent Filing (South Africa)	R25,000.00	to R30,000.00	R30,000.00	Patent Grant	Service pricing	Legal protection for 20 years; excludes PCT international filing fees	[3]
	11/3/2025	Open Source / Community Texts	Design Career 10 Application Trade Drawing Orthopedagogie Material Didactic Lesson Plan	Not in source	Not in source	Not in source	Creative Commons BY-NC-SA 4.0	Published	Size: 119.7 MB. Grade 10 career scaffolding. Integrated via UserForm1 90000002	[5]
	10/26/2024	F1000Research	Career drawing total programming: Analysis, Design, Investigation	Not in source	Not in source	Not in source	DOI: 10.7490/f1000research.1120368.1	Published	Version 1; not peer reviewed. Includes PCB implementation and Visual Basic	[5]

	18-Nov-25	IEC Webinar	Advancing Standards for Digital Authenticity	Not in source	Not in source	Not in source	Webinar Insight Log	Scheduled	Focus on deepfakes and provenance tracking; integration with dashboards	[8]
	3/15/2026	SQA	Community Garden Volunteering Day (Responsible Business Task)	Not in source	Not in source	Not in source	Work Experience Task	Scheduled	Place: Glasgow Hidden Gardens. Risk assessment via SQAForm	[6]
Not in source		Lucas-Nülle	UniTrain-I: DC Technology Course (SO4204-4D)	Not in source	Not in source	Not in source	Course Certificate	Audit Ready	Multimedia training system; USB Interface; includes 3 test cards	[3]
	18-Apr-24	Underwriters Laboratories (UL)	Electrical Arc Flash Awareness	Not in source	Not in source	Not in source	Not in source	In Progress	Course code: GSCHSES 0001004; Basic level safety training	[4]

Not in source	ISC2 / Credly	Certified in Cybersecurity (CC)	Not in source	Not in source	Not in source	Digital Badge	In Progress	Linked to Azure DevOps and GitHub Copilot modules for audit	[4]
Not in source	Salesforce / Trailhead	CRT101 Salesforce Certified Administrator	Not in source	Not in source	Not in source	Salesforce Certified Administrator	In Consideration	Integrated with Agentforce topics and career discovery dashboards	[4]
1/1/2017	Canal-U / Callisto / Urfist	Tutorial on invention patents - Module 8 Introduction	Not in source	Not in source	Not in source	Not in source	Online (2022-05-13)	Covers European patents (EP) vs PCT; Creative Commons CC BY-NC-SA	[3]
10/6/2016	French Ministry of National Education	Circular No. 2016-133: Delivery of certificates for competency blocks	Not in source	Not in source	Not in source	Attestation of competency blocks	Official Bulletin No. 36	Law No. 2014-288; modularization of diplomas; RNCP integration	[3]

	14-Jan-24	Digital Factory / Schneider Electric	Robotics (Test)	Not in source	Not in source	Not in source	Not in source	Failed	Score: 44% (passing 70%); Course code: INDTECT 0001000	[4]
	14-Jan-24	Buildings Business 1 / Schneider Electric	Physical Infrastructure Management Basics Quiz	Not in source	Not in source	Not in source	Not in source	Failed	Score: 30% (passing 80%); Course code: BLDSALE 1234034	[4]
	1-Sep-25	F1000Research	Career Discovery and Mentoring Framework for TVET	Not in source	Not in source	Not in source	Not in source	REJECTED	Document submission; Author: Tshingombe Tshitadi	[9]
	17-Apr-25	F1000Research	Case Report: Master Energy Rural Career Experimental Engineering Electrical	Not in source	Not in source	Not in source	Not in source	REJECTED	Article submission; Author: Tshingombe Tshitadi	[9]

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Section/Topic	Description	Field/Discipline	Qualification/Award	Institution	Outcome/Requirement	Source
Electrical Engineering (N1–N6)	Comprehensive curriculum covering Electrical Trade Theory, Industrial Electronics, Electrotechnics, Power Machines, and Engineering Science. Includes AC/DC machine theory, transformers, and industrial electronics modules.	Electrical Engineering	National N Diploma / N1–N6 Certificates	St Peace College / DHET / SAQA	Completion of ICASS, ISAT, and external national examinations; NQF Level 6 (360 credits) and 18–24 months practical experience.	[1-11]

Labour Relations & CCMA Rulings	Processing of labour disputes, unfair dismissals, and conciliation/arbitration under the LRA. Handles rescission rulings (Section 144), enforcement of awards (Section 143), and military arbitration.	Labour Relations / Law	CCMA Award / Settlement Agreement / Rescission Ruling	CCMA / Labour Court / ELRC / SANDF	Settlement of jurisdiction referrals, certified awards, or variation orders; issuance of awards within 14 statutory days.	[1-3, 6-8, 11-21]
SAQA Foreign Qualification Evaluation	Policy and criteria for the recognition of foreign school-leaving and higher education qualifications within the South African NQF.	Educational Policy / Regulatory	SAQA Evaluation Certificate / Tracking ID: 2403110060003192	SAQA (South African Qualifications Authority)	Compliance with NQF Act 67 of 2008; recognition limited to documents issued by official national examination bodies.	[1, 2, 7-9, 13-15]

Advanced Electromagnetic Theory	Graduate-level study of Maxwell’s equations, field theory, electrostatics, magnetostatics, and wave propagation using analytical and computational methods.	Electrical Engineering	Master's Degree / Doctorate (Specialist)	Atlantic International University (AIU) / University of Buea	100% grade achievement; ability to solve boundary condition problems and simulate electromagnetic fields.	[7, 10, 12, 20, 22, 23]
Madinda Utilities AMI Rollout	National rollout of Advanced Metering Infrastructure (AMI) systems across 186 municipalities, including manufacturing and satellite warehouses.	Utility Engineering / Infrastructure	Professional Project Implementation	Madinda Utilities / DTIC / SABS / Eskom	DLMS/COSEM compliance; revenue protection and reduction of non-technical losses via automated load management.	[10, 23, 24]

Drawing Analysis & Design System	Transdisciplinary framework for analyzing and designing technical systems through schematic interpretation, flow diagrams, and fault diagnostics.	Engineering Drawing / EdTech	WA-coded workplace competencies / Portfolio cornerstone	SAQA / Atlantic International University (AIU)	Integration of drawing logic into LMS modules and assessment rubrics aligned with NQF descriptors.	[3, 13, 16]
AI Fluency & Robotics	Modular programs covering AI basics, Generative AI, Responsible AI, and didactic frameworks for PLC-controlled motor automation.	Artificial Intelligence / Automation	6 AI Certifications / Technical Certification	Sci-Bono ICT Academy / Microsoft / De Lorenzo S.p.A.	Completion of 44 videos (5 hours); development of solutions for anomaly detection and process optimization.	[8, 13, 14, 25]

Vertical Farming & Urban Agriculture	Course exploring the intersection of vertical farming, synthetic biology, and genetic engineering for sustainable food production.	Agricultural Tech / Synthetic Biology	Master's Degree	Atlantic International University (AIU)	Practical skills to design and implement urban farming systems leveraging biosystems.	[3, 13, 16]
Mining Qualifications Authority (MQA)	Skills development in the mining and minerals sector, focusing on artisan development in scarce skills.	Mining Engineering	Artisan Status (Boilermaker, Diesel Mechanic, etc.)	MQA / DMR	Facilitate accreditation and workplace experience under the Skills Development Act 29.	[3, 6, 8, 14]

Security Services & PSIRA Compliance	Accreditation, operational grading, and syllabus for private security service providers and guard programs.	Security Science	PSIRA Grade A–C / Supervisor	PSIRA / SASSETA	Successful completion of unit standards, SAPS criminal record clearance, and OHS risk assessments.	[2, 4, 13, 14]
Electrical Installation & Standards	Technical specifications for low-voltage installations, voltage drop limits, and circuit breaker ratings.	Electrical Engineering	Certificate of Compliance (CoC)	SABS / SANS / Dept. of Labour	Adherence to SANS 10142-1 (Wiring of Premises) and OHSA safety codes.	[1-3, 9, 12, 21, 26]

Power Generation & Substation Systems	Study of thermal, hydel, and solar power plants; includes component identification (CT/PT, breakers, alternators).	Power Engineering	NSQF Level 5 Competency	NIMI / ITI / St. Peace College	Ability to draw single-line diagrams and interpret technical specifications for transmission-grade deployments.	[1, 9, 27-29]
Control Systems Design	Modeling (transfer function, state-space), stability analysis, LQR, and Kalman filters using MATLAB/Simulink.	Electrical Engineering	Postgraduate / ECSA Aligned	University of Pretoria / Purdue / AIU	Design of performance-oriented controllers; integration of state-space and frequency-domain methods.	[10, 23]

Digital Signal Processing	Advanced DSP transforms (DCT, KLT, wavelets), adaptive filtering (LMS, RLS), and multirate processing.	Electrical Engineering	Postgraduate / NQF Level 7 Aligned	NIT Warangal / Unisa / AIU	Analyze discrete signals and implement adaptive filtering via MATLAB simulations.	[10, 23]
Digital Systems & VBA Automation	Integration of VBA automation for student records, engineering calculations, and PLC simulation logic.	Digital Systems	Doctorate in Engineering (Candidate)	Atlantic International University (AIU)	Creation of audit-ready documentation and automated fault analysis tools for curriculum reform.	[30]

Engineering Project Specification	Technical parameters for power meters, communication interfaces, and surge protection in facilities.	Electrical / Defense Systems	Unified Facilities Guide Specs	Department of Defense / SANDF / Eskom	Compliance with MIL-STD-462D, IEC Class 0.2 accuracy, and identifier 240-61268959.	[2, 7, 14, 29]
Electronic Practice & Technical Training	Hands-on workshop exercises for control panel wiring, motor drive commissioning, and soldering.	Vocational Training	NSQF Level 5 / Module 1-4	NIMI / SAQA / DHET Framework	Portfolio of Evidence (PoE) including wiring diagrams, fault logs, and 525 hours of training.	[2, 6, 9, 27]

Biomedical Engineering Laboratory	Design, manufacture, and repair of medical equipment using De Lorenzo didactic systems.	Biomedical Engineering	Professional Competency	De Lorenzo S.p.A.	Understanding sensors converting ion flows into electrical currents; alignment with trade test units.	[25, 31]
Supply Chain Management & Traceability	Integration of software engineering, blockchain, and IoT for supply chain digitalization.	Supply Chain Management	Master's Degree	Atlantic International University (AIU)	Implementation of security and privacy in supply chain software via real-world case studies.	[4, 5]
Mathematics & Engineering Calculus	Critical analysis of rates of change, limits, binomial expansion, and system dynamics.	Mathematics	Mathematics N4	Not in source	First and second derivatives for optimization; calculation of torque and voltage inductance.	[5, 17]

Technical Expert Assessment (TEX)	Formal diagnostic pathway for evaluating inoperative electrical products.	Engineering Diagnostics	Evidence artifacts	Schneider Electric	Technical assessment of electrical product failure for NQF alignment.	[18, 19]
Industrial Automation & Modicon Integration	HVAC and automation control systems using Modicon controllers and NTC sensors.	Industrial Automation	Project-Based Competency	Schneider Electric	Design of modular control architectures with End-of-Life (EOL) component management.	[29]
ICT & Technical Skills Academy	Training for youth in CCNA, Linux, IoT, and Python Essentials.	ICT / Computer Science	Certiport Expert (Office Suite)	Sci-Bono ICT Academy	Accredited programs in End User Computing and System Support.	[14]

Psychometric Grade Rank Calculation	Weighted score calculation based on cognitive ability (40%), personality (30%), and integrity (30%).	Psychometry / HR	Certified Evaluation (CPER)	SARS / SARB / 9 LINKS	Benchmarking for career readiness; variance gate ≤10; mean score ≥25.	[32]
Autotronics Training	Training panel representing the operation of engine ignition components.	Automotive Engineering	Vocational Skill Certification	De Lorenzo S.p.A. / Northlink College	Ability to troubleshoot electronic ignition control systems.	[31]
Applied Policing & Crime Resolution	Investigative techniques, evidence handling, and web-based crime management systems.	Law Enforcement	National Diploma (NQF Level 6)	ST Peace College / Samara Police	Practical assessment (70%) and theory (30%); automated data storage for crime records.	[5, 15, 16]

Voltage & Component Calculations	Calculation formulations for $V(t)=C1\int i(t)dt+V0$ and transformer impedance $Z=R+jX$.	Electrical Engineering	National Diploma / NATED	City Power / St Peace College	Verification of calculation accuracy and adherence to IEC/SANS voltage drop limits.	[3, 16, 26, 30]
Renewable Energy: Wind & Solar	Theoretical and practical understanding of domestic wind turbines and PV installation.	Renewable Energy	National 5 Skills / N6	SQA / Schneider Electric	6 SCQF credits; compliance with IEC 61115-1-2 and SANS 10142-1.	[17, 26]
Asset Management Automation	Digitization of infrastructure using the State Asset Information Management System (SAIMS).	Infrastructure Management	Operation GENIAC Framework	DPWI / National Treasury	Cloud-native architecture; real-time visibility and risk-based management.	[10]

NATED N1–N3 Phase-Out	Discontinuation of NATED Report 191 N1-N3 programs due to NQF misalignment.	Technical Education	NATED N1-N3	DHET	Programs ceased as of 1 January 2024; articulation to N4 Engineering Studies.	[4, 17]
Clean Energy Technology	Ecotechnology applications focusing on solar, wind, bioenergy, and geothermal systems.	Renewable Energy	Masters / Doctoral Module	Atlantic International University (AIU)	Evaluation of ecological and social implications of energy projects.	[23, 30]
Urban Water & Waste Management	Sustainable planning, water treatment, and resource recovery infrastructure.	Environmental Engineering	Master's Degree	Not in source	Skills to address population growth and climate change challenges.	[3, 13]

Public Administration Legal Studies	Constitutional law, administrative ethics, and public safety laws in the public sector.	Public Law	Master's Degree	Not in source	Understanding of legal compliance in crisis management.	[3, 13]
Information Management System (IMS)	Modular system for secure registration and biometric validation using Visual Basic.	Software Engineering	Not in source	Not in source	Secure data handling and audit-readiness aligning with national standards.	[33]
Cyber Security Fundamentals	Introduction to cybersecurity elements, attack techniques, and risk management.	Information Technology	Diploma	Alison	Define key elements of cybersecurity and risk management principles.	[15]
Specialist Engineering Infrastructure	Advanced power system analysis, high voltage engineering, and smart grids.	Electrical Engineering	Doctorate (PhD)	Atlantic International University (AIU)	Design and management of electrical infrastructure projects.	[5, 13, 16]

SARAO Engineering Scholarships	Scholarship application for Bachelor in Electrical and Electronic Engineering Technology.	Radio Astronomy	Bachelor/Diploma	SARAO	Support for MeerKAT and SKA infrastructure.	[18, 19]
Piling Design & Construction	Technical specification for driven cast in situ piling projects.	Civil/Structural Engineering	Not in source	PWC Town Project Team	500 m/day production rate; compliance with ECSA and ISO 90000.	[8]
Intellectual Property (IP)	Registering inventions and managing IP claims with metadata for digital preservation.	Legal / IP	IP6 / Legal Depot Number	Metropolitan Police / Elektor	Validating authorship; protection status via legal depot numbers.	[33]

Dementia Care	Training on caregiving skills specifically for dementia and Alzheimer's patients.	Health Science	Certificate	Alison	Define and differentiate forms of dementia and stages of Alzheimer’s.	[15]

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Student/Applicant Name	Institution/College	Qualification/Course Title	NQF/N-Level	Document Type	Evaluation/Application ID	Subject Outcomes (Inferred)	Status/Outcome	Source
Tshingombe Tshitadi Fiston	St Peace College	National N-Diploma: Engineering Studies: Electrical Engineering	N4-N6 / NQF Level 6	Diploma Application Documents / Portfolio of Evidence / Academic Transcript	2100002023812 / 90674 / 90643 / 20191130002 / 202001305040	Electrotechnology, Industrial Electronics, Power Machines, Electrical Trade Theory, Advanced Power Distribution, System Engineering Process, Technical Drawing, Numerical Operations, and Industrial Automation Control Systems.	Under Investigation / Pending Evaluation / Awarded	[1-13]

Tshingombe Tshitadi Fiston	SAQA (South African Qualifications Authority)	Foreign Qualification Evaluation (DRC Diplome d'Etat / UNIKIN / ISPT Kinshasa)	NQF Level 4 - 7 (Equivalence claimed)	Foreign Transcript / Certificate / Evaluation Appeal	90674 / 201911130002 / 71638 / Incident #1626485 / Enquiry 9370 / ref:_00D205o40._5004JYEzA3	Mathematics, Informatics, Applied Science, Education Technology, Electrotechnology, Electromechanics, and General Education requirements.	Non-compliant / Does not meet SAQA standards / Under Review	[1-3, 7, 10, 12-15]

Tshingombe Tshitadi Fiston	St Peace College	National Certificate: Engineering Studies (Electrical)	N1-N4 / NQF Level 2-4	Academic Transcript / Statement of Results / CHIETA Certificate	2004007064381 / COM182609001 / 67109 / 67375 / 67491	Mathematics, Engineering Science, Electrotechnics, Logic Systems, Industrial Electronics, Electrical Infrastructure, Building Skills, and Control Panel Wiring.	Awarded / Instructional offerings passed	[2, 3, 10, 16, 17]
Tshingombe Tshitadi Fiston	Africa Policing Institute / Afric Policing Instituts	National Diploma in Policing (Resolving of Crime) / Applied Policing	N1-N6 / NQF Level 6	Portfolio of Evidence / Assessment Log / Memorandum	SASSETA 111999691949 / 2023/0508 / 2011007434332	Crime prevention planning, criminal investigation, vehicle crime, tactical drill, forensic technology, and security systems engineering.	Completed assessment tasks / Verification of Irregularity	[1, 3, 10, 17]

Tshingombe Tshitadi Fiston	Atlantic International University	Master's Level Studies (Artificial General Intelligence / Engineering Design)	Masters / Level 6	Thesis Submission / Project Pitch / Academic Record	621717 / 00107251 / P-10307 / tshingombefiston@gmail.com	Research methodology, digital curriculum modeling, human-machine collaboration, ethical AGI, digital logic gate verification, and PCB design.	Thesis Integration Finalized / New	[4, 7, 12]
Tshingombe Tshitadi Fiston	Atlantic International University	Engineering Studies: Electrical Engineering (Assessment & Appeal)	N-Diploma (90674) / NQF Not in source	Appeal statement / Transcript exam record	JXL6JWJL2Q73Z2DE8FP61G / 2100002023812	Manual soldering, electrical testing, legislative compliance, instrumentation calibration, and systems analysis.	Outcome not meeting requirement / Appeal pending	[5, 18, 19]

Tshingombe Tshitadi Fiston	Shalom Technical College	Engineering Studies	N3-N4	Admission Permit / Statement of Results	899993812 / 2100002023812	Electrical Trade Theory, Electrotechnics, Engineering Science, Mathematics, Industrial Orientation, and Plant Operation.	Fail / Collapse due to Irregularity / Results noted for remarking	[1-3, 16]
Tshingombe Tshitadi Fiston	SAQA	Electrical Engineering FET Certificate	NQF Level 4	Qualification Record	72052	Foundational electrical trade theory, installation, and technical drawing.	Registered	[4, 5]
Tshingombe Tshitadi Fiston	Afric Training Centre	Engineering Studies	N1, N3, N4	Admission Permit / Statement of Results	2004007064381 / 2011007434332	Industrial Electronics, Engineering Drawing, Electrical Trade Theory, and Mathematics.	Fail / Subject to Re-marking	[2, 16]

Tshingombe Tshitadi Fiston	St Peace College	Electrical Engineering Infrastructure / Trade Test	NQF Level 4 / N2-N3	QCTO Application / Trade Test Application	202303115021 / COM 18269001	Panel Wiring, Control Logic, Electrical Principles, Workshop Practicum, and Industrial installation of AC/DC machines.	Final Verification Meeting Conducted / Recommended for Trade Test	[1, 10]
Tshingombe Tshitadi Fiston	SAQA / Atlantic International University	Application Trade Discovery: Job Education Research	Not in source	ICorps Executive Summary	P10438	Vocational training integration, autodidactic learning methodology, and trade diagnostics.	New Submission	[20]

Tshingombe Tshitadi Fiston	National Research Foundation (NRF)	SARChI Communities of Practice	Postdoctoral	Grant Application	COP250411310245	Advanced manufacturing research, energy storage, grid stabilization, and AI-driven optimization for microgrids.	Application In Progress	[12]
Tshingombe Tshitadi Fiston	St Peace College	Assessor/Moderator Skill Programme	Not in source	ETDP SETA Registration / Application	Ticket ID 35221 / ETDP-AS-000006376	Plan and conduct assessment of learning outcomes, moderation of engineering unit standards, and competency evaluation.	Resolved / Rejected (Missing documents)	[1, 7]

Tshingombe Tshitadi Fiston	INPP (DR Congo)	Motorised Petrol Engine (Moteur Essence)	A1/A2/A3 Equivalent	Attestation Provisoire	Not in source	Technical pedagogy, electromechanics, and petrol engine service and maintenance.	Reussite (Success)	[3]
Tshingombe Tshitadi	Blockchain Academy	DLT Credentialing Module / Blockchain in Education	NQF Dashboard Tracked	Certificate	10/8/2025	Digital credentialing systems and distributed ledger technology application in education.	Awarded	[20]
Tshingombe Tshitadi	CPS Institute	CPS Architecture & IoT Lab	NQF Dashboard Tracked	Certificate	10/8/2025	CPS Integration and IoT Laboratory operations.	Awarded	[20]

Tshingombe Fiston	Alison	Essentials of Electrical Safety	CPD Certified	Certificate	5273-37876299	Hazard identification, personal safety equipment, emergency response, and electrical risk management.	Successfully completed	[21]
Tshingombe Fiston	ISC2	ISC2 Candidate	Professional Certification	Credential Badge	Not in source	Information security fundamentals and professional ethics.	Active (Issued 14 Nov 2023)	[5]
Tshingombe Tshitadi Fiston	Schneider Electric	Engineering Professional Development	CPD	Technical Certification	Not in source	Electrical installation, DB box wiring, switchgear, substation schematics, and AC/DC systems.	Expired/Backlog	[7]

Tshingombe Tshitadi	Department of Science and Innovation	Engineering Electrical Project	Not in source	R&D Tax Incentive Notification	9722328238	Innovation in electrical engineering, power factor demand systems, and technology integration.	In-progress	[22]
Tshingombe Tshitadi Fiston	China Criminal Police College	Applied Policing / Engineering Safety	Not in source	Work Experience Task Record	Not in source	Crime prevention, risk assessment for industrial environments, and health and safety incident management.	Task Completed	[23]

Tshingombe Tshitadi	Atlantic International University	Diploma in Applied Psychology – Consumer Behavior	Not in source	Academic Transcript	Not in source	Consumer Decision Process, Models of Behavior, Attitude Measurement, and Personality Theories.	Completed	[20]
Tshingombe Engineering	NSF SBIR/STTR	Power Management (PM)	Not in source	Project Pitch	110596	Electrical engineering, energy technologies, and advanced power management systems.	New (Active Submission)	[20]
Tshingombe Tshitadi	SAQA / National Instructional Media Institute	Electrician 4th Semester	NSQF (LEVEL - 5)	Trade Practical Manual	2018 Edition	Electronic Practice, Control Panel Wiring, AC/DC Motor Drives, Inverter and UPS maintenance.	Not in source	[24]

Tshingombe Tshitadi Fiston	SAQA	Foreign Qualification Evaluation	Not in source	Online Application	INCO0002527705I	Evaluation of credentials for Electrical Engineering and Applied Policing.	Referred to Evaluation Team	[25]
Tshingombe Tshitadi	St Peace College / Belus	Electrical Trade Theory NI	N1	Vocational curriculum documentation	May 2021 Belus	Electromechanical components, Hydraulic energy systems, circuitry, and material properties.	Not in source	[20]
Tshitadi Tshingombe	SAQA (Directorate: DFQEAS)	Foreign Qualification Evaluation	Not in source	Email Application / Inquiry	20220785055	Recognition of foreign undergraduate engineering credits.	Application Received / Outstanding Documents Requested	[10]

Tshingombe Tshitadi (Fiston)	ISPTKIN	Preparatory	1 Graduat	Certificat Prepo	Not in source	Math, Physics, Chemistry, Technology Electrical, Technology Mechanical, Pedagogical.	Obtained 2007 [16]

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Qualification Title	Institution or Quality Partner	Technical Field	Key Skills and Deliverables	SAQA or Accreditation ID	Estimated Beneficiaries/ Quantity	Assessment Outcome	Professional Liability/Registration (Inferred)	Source
National N Diploma Engineering Studies: Electrical Engineering	DHET / SAQA / St Peace College / QCTO	Electrical Engineering	Maintenance, soldering, replacement, system design, high voltage installations, renewable energy systems, automation (PLCs), Electrotechnics, and Plant Operation. Requires 18-24 months workplace experience.	90674 / 111285 / 66994	360 Credits	N1-N6 levels / NQF Level 6	Licensed Electrician / Instrument Technician / Candidate Engineering Technologist	[1-7]

National Certificate: Electrical Engineering (N1-N6)	DHET / SAQA / Umalusi / St Peace College	Electrical Engineering	Mathematics, Engineering Science, Drawing, Electrical Trade Theory, and Industrial Electronics. Covers N1 (basic principles) through N6 (final theoretical level).	67109 (N1), 67375 (N2), 67491 (N3), 66881 (N4), 66960 (N5), 67005 (N6)	Not in source	N1-N6 / NQF Level 2-4	Artisan / Technician in Training / Registered Electrician	[2, 3, 5, 7-11]

Master of Science in Electrical Engineering (MSEE)	Atlantic International University (AIU)	Electrical Engineering / Power Systems	AI-driven optimization for hybrid renewable microgrids, smart grid storage, electrostatic/electrodynamic systems, and industrial power efficiency.	Not in source	$4,000,000 Budget	Master's Degree / Thesis Accepted	Professional Engineer / Research Lead	[1, 3, 4, 9, 10, 12-14]
Electrician (Shift Worker)	City Power Johannesburg	Electrical Distribution	Daily maintenance, repair and installation of electrical systems; diagnose equipment malfunctions; repair LV and MV networks.	Bulletin 001/2022 / REF 001	1 per vacancy	Task Grade 9	Requires Electrical Trade Test Certificate and Professional Driver’s Permit.	[7, 8, 15]

Dalkeith-Lutz 132kV Cable Project	City Power Johannesburg / Eskom	Power Transmission / High Voltage Engineering	Construction of double circuit 88kV cable supply (200MVA); 2500mm2 Aluminium XLPE cables; directional drilling; fibre optic protection.	Tender No. Dalkeith – Lutz	4800 meters route length	Successful Commissioning	Contractor professional liability insurance of R3m; Registered with Dept of Labour.	[1.3 (p. 5), 2.12 (p. 10), 638, 4.12.11, 1.4, 4.12.1]
Panel Wiring	St Peace College / QCTO / SAQA	Electrical Infrastructure	Design layout of control cabinet, installation of DB boxes, outlet sockets, switches, and induction motor wiring.	67461 / 263006 / 258937	Not in source	Level 2 / N4 / Competent	Licensed Trade Engineering Status / Technical Assistant	[4, 6-10, 15]

Specialized SAQA-Registered Skills	SAQA / QCTO	Electrical Infrastructure	Fault find, repair and maintenance of three-phase electrical systems; Install/maintain low voltage distribution boards.	ID 10259, ID 263006, ID 258937, ID 116466	Not in source	Certified	Licensed Trade Practitioner	[5]
National N Diploma Engineering Studies: Mechanical Engineering	DHET / SAQA	Mechanical Engineering	Design, manufacturing, installation, testing, fault-finding, maintenance of mechanical equipment and fluid power systems.	90674 360 Credits	NQF Level 6		Diesel Mechanic / Boilermaker / Fitter and Turner	[1]

Assessor / Moderator	ETDP SETA / SASSETA / St Peace College	Education and Training	Plan and conduct assessment of learning outcomes; conduct pre- and post-assessment moderation; verify marking consistency.	US ID No: 7978 / Reg. No: 123864	20 students	Accredited Status / Competent	Licensed constituent assessor / Registered with SASSETA.	[2, 15]
Fibre Optic Cable Installation	City Power / NRS	Telecommunications	Install 48-core non-metallic DUCT fibre cable; Distributed Temperature Sensing (DTS).	NRS 088-1	4800 meters	Splice Loss ≤ 0.1 dB	Telecom Engineer / Accredited Provider	[4.13.1, 4.13.2]

Schneider Home Certification	Home and Distribution Academy (Schneider Electric)	Energy Management Systems	Installing and wiring Schneider Inverter, Boost, and Pulse Backup Controller; commissioning with eSetup App.	Course Code: HDAPRDCS0001005	3 NABCEP CEU credits	80% passing score	Certified Installer	[1]
Modicon PLC Configuration	Schneider Electric	Industrial Automation and Control	Programming and integration of programmable logic controllers for process machine control and variable speed drives.	IEC 17025, SANS Class 0.2	1200 note/Min processing	Technical Expert	Automation Specialist / Certified Installer	[3]

Smart Power Metering Module	Madinda Utilities / City Power / Eskom	Urban Energy Management	Rollout of DLMS/COSEM-compliant hardware, three-phase smart power measurement utilizing GPRS for remote billing data.	IEC 62056, IEC 61850	2,700 direct jobs	NQF Level 6	Electrical Systems Technician / Project Manager	[3]
Electrician (NSQF Level 5)	Indian Vocational Training (ITI) / NIMI	Electrical Trade	Wires, Joints - Soldering - U.G. Cables; Control Panel Wiring, AC/DC Motor Drives, Inverter and UPS, Power Generation.	Module No. 3 / NSQF Level 5	10,000 copies / 125 Hrs	Pass	Certified Electrician Trainee	[2, 16, 17]

Mechatronics Level 3	Merseta	Mechatronics / Control Instruments	Control panel and motor control; HVAC; welding; implementation of embedded control to real-time algorithms.	17-QA/ACC/1311/17	Not in source	Level 3	Accredited Training Provider	[7, 15]
Supply of Electricity to Rural Households	National Skills Fund (NSF)	Renewable Energy / Rural Electrification	Implement grid and off-grid electrification; 50-watt Solar Home Systems (SHS); mini-hydroelectrical and thermal generation.	Project Ref: P-09874	10,000 households	Declined	Principal Investigator / System Architect	[9, 10]

Microsoft Certified: Azure Data Engineer	Microsoft	Data Engineering / Cloud Computing	Introduction to Data Engineering on Azure; Secure data and manage user in Azure Synapse; Network security configuration.	MCID: 99587175	Not in source	900 Badges / 180 Trophies	Azure Data Engineer Associate	[9, 10]
Diploma in Electrical Studies	Alison	Electrical Engineering	Basic electrical wiring, safety, circuits, theory, hand bending conduit, raceways, conductors, and cables.	Not in source	10-15 hours	80% - 91% Score	Trainee Electrician	[1, 2, 6, 9, 10]

Official ISC2 Certified in Cybersecurity (CC)	ISC2	Cybersecurity	Security principles, incident response, business continuity, disaster recovery, access controls, network security.	Not in source	CPE Credits	Certification Exam	Cybersecurity Associate	[1]
PSIRA Compliance and Security Policing	PSIRA / SASSETA / SAPS	Security Policies and Law Enforcement	Regulation and control of security occupation, installation of electronic security systems, and crime management.	PSIRA Act 56 of 2001	30 to 90 days	Grade A, B, C	Registered Security Management Professional	[3]

National Certificate: Policing	SAPS / Metropolitan Police Service	Policing and Security	Radio procedures, evidence gathering, crime scene management, investigation, and traffic enforcement.	248 credits / Vacancy 14783	1 month training	Passed / Pending	Certified Police Officer / Vetted Officer Trainee	[4, 18]
Lifting Machine Operator	Department of Labour	Driven Machinery	Pre-operational testing, safety protocol, machine inspection.	Regulation 18(1)	12:1 Ratio	Competent	Certified Machine Operator	[4]
Registered Professional Engineer	ECSA / Home Affairs	Power Management	Engineering designs, software modules, CPD activities.	Not in source	1 Registered		Legally authorized to practice engineering in RSA	[5]

Specialist Engineering Infrastructure and Contractors	Atlantic International University (AIU)	Electrochemical Engineering	Design, implementation, and management of electrical infrastructure projects; advanced power system analysis; smart grids.	Not in source	Not in source	Doctorate Level	Professional Engineer (Pr.Eng)	[19]
Brevet de Technicien Supérieur (BTS) Électrotechnique	French Higher Education	Electrotechnics	Preliminary study and design of an installation (Étude et conception préliminaire d'une installation).	RNCP41007BC01	Not in source	Level 5 Diploma	Certified Electrical Professional (France)	[2, 16]

Postgraduate Diploma in Educational Technology	Council on Higher Education	Education, Training and Development	Emerging technologies, online learning design, digital design for mind brain and education.	Field 05	Not in source	Awarded	Assessor / Moderator / Educator	[4]
Master of Engineering (Electrical)	Beijing Huadian E-commerce	B2B E-commerce / Electric Power	Bidding and non-bidding data fusion, collaborative filtering algorithms, item ranking.	Not in source	217 users	Thesis Project	Senior Data Analyst / Research Engineer	[4]
Applied Policing and Crime Resolution	DHET / NATED / NCV	Law Enforcement	Investigative techniques, crime scene management, evidence handling, legal framework application, forensic investigation.	Not in source	Not in source	Not in source	Investigator / Police Officer	[1]

Robotic Process Automation Engineer	SARB	Robotics / Systems Engineering	Design, test and maintenance of autonomous processes; technical documentation.		102 Not in source	Application Outcome	Professional Engineer	[8]
SQA Advanced Certificate in Electrical Engineering	SQA	Electrical Engineering	Power Electronics, Control Systems, Inspection and Testing of Low Voltage Electrical Installations, PLC programming.	SCQF level 7 (GP6D 47)	96 SCQF credits	Not in source	Professional Engineering Technician	[6]
Electronic Skills Programme Installer	SASSETA / PSIRA	Electronic Security Industry	Cabling methods, installation of electronics equipment, radio transmitter and antenna systems.	NQF Level 4	Not in source	Competent	Registered Security Service Provider	[4]

Bachelor of Arts	Pearson Institute	Humanities / Marketing Research	Child care, communication, humanity resource management, marketing research.	ID 62761	Not in source	Honours (NQF Level 8)	Academic qualification (South African NQF)	[18]
Masters in Supply Chain Management	University of Pretoria	Software / Logistics	Design and implementation of traceability systems, supply chain digitalization, blockchain applications.	Not in source	Not in source	Master's Level	Supply Chain Specialist	[13]
Senior Lecturer - Report 191	DHET	Electrical and Civil Engineering	Lecturing Mathematics, Mathematical Literacy, and Engineering subjects.	Post Level PL2	Not in source	Not in source	Registered Educator (SACE)	[17]

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Credential or Project Title	Category	Organization or Platform	Status or Achievement	Reference Identifier	Associated Skills or Technology	Date	Source
Web-Based Crime Management System for Samara City Main Police Station	Research Article / Preprint	Qeios	Peer-approved / Published	https://doi.org/10.32388/JGU5FH	Computer Science, Information systems, client-server architecture, PHP, MySQL	12/11/2023	[1], [2]
National N Diploma: Electrical Engineering	Academic Credential	St Peace College (SAQA/QCTO)	Awarded	SAQA QUAL ID: 66994 / 90674	Electrical Engineering, Mathematics, Industrial Electronics	2/12/2024	[3]

Discover Data Concepts and Implement Solutions with Microsoft Fabric	Professional Development	Microsoft Learn	Completed	MCID: 99587175	Data & AI, Azure, Microsoft Fabric	3/1/2024	[3]
PLC Configuration, EcoStruxure Power, energy modeling and verification	Industrial Certification	Schneider Electric	Completed	607069d9-fa26-423a-9d8c-d810df173a87	Industrial Automation, PLC	12/31/2025	[3]
SASSETA Assessor / Moderator Certificate	Professional Certification	PSiRA / SASSETA	Certified	ID Number: TIRCG00091061010	Assessment and Quality Assurance	12/22/2024	[3]
ISO 37301:2021 Principles of Compliance Management System	Industrial Certification	Alison	Certified (91% Score)	Not in source	Compliance Management	9/15/2023	[4], [3]

Information Management System (IMS): Modular Framework	Project Submission / Prototype	Tshingombe Engineering / Institutional Networks	Inventor / Prototype Complete	Kfrm1-Kfrm6	Visual Basic (VB), Secure registration, biometric validation, credential handling	Not in source	[1]
MIP-630-24-0100-000	Project Submission / IP Registration	Microsoft Forms / Legal	Submitted	MIP-630-24-0100-000	IP, code registration, regulatory	2/14/2025	[1]
I-Corps program application	Project Submission / Grant Application	National Science Foundation (NSF)	Declined	Not in source	Core technology development, Advanced Manufacturing	2/14/2025	[4], [3]
DHET NATED Statement of Results (N3 Level)	Academic Research	DHET	55% (Electro-Technology N3)	Ref: 20191130002	Electrical Engineering	1/1/2023	[4]
SAQA Qualification N4 / Level 5	Academic Credential	SAQA / DHET / QCTO	Recorded	67109	Engineering Electrical, Panel Wiring	Not in source	[1]
Basic Electrical Safety	Professional Certification	Sci-Bono Discovery Centre	Certificate	SAQA/NQF Level 4, WA Code EA2	Electrical Engineering, Wiring Kit	10/8/2025	[4]

Registered Professional Engineer	Industrial Certification	ECSA / Home Affairs	Registered	Not in source	Professional Engineering	10/8/2025	[4]
Cyber Essentials Plus Certification	Industrial Certification	BlockMark Registry	Verified	Not in source	Cybersecurity & Digital Trust	12/13/2025	[4]
IT Asset Management Administrator	Job Application	South African Reserve Bank (SARB)	Active	1165	Compliance automation, asset tracking	2/9/2025	[1]
Applications Design Lead	Job Application	South African Reserve Bank (SARB)	Active	904	Modular systems, VBA frameworks	2/9/2025	[1]
Smart Panel	Project Submission	Schneider Electric	Compliance Logged	GitLab + Azure DevOps billing portal	Energy Mgmt Compliance	10/8/2025	[4]
MBM302 Master Thesis Review	Academic Research	Atlantic Intl. University	Accepted	IJETR3156	Eng. Systems	10/8/2025	[4]
CI/CD Pipeline Subscription	Project Submission	GitHub / Azure DevOps	Active	GitLab audit log	Trailblazer Superbadge – Data Cloud	10/8/2025	[4]
Labour Law Training	Professional Credentials	SASSETA / CCMA	Completed	MERSETA + Home Affairs compliance log	Workplace Dispute Resolution	10/8/2025	[4]

Google Classroom Fundamentals	Certification	Google Classroom	Completion	Certificate ID: 2802B71CB4243E14290	Education Technology	10/26/2023	[5]
From Idea to Reality: A Comprehensive Guide to Setting Up Your Own Company	Continuing Education	Atlantic International University (AIU)	Certificate of Participation	Not in source	Entrepreneurship	10/13/2023	[3]
Electrical Trade Theory Engineering Nated	Academic Research	Internet Archive	Archived	Not in source	Electrical Trade Theory	9/9/2023	[4]
Career project implementation framework design	Project Submission	F1000Research	Rejected	Not in source	Curriculum Design	4/11/2025	[3]
Altivar Machine Professional	Industrial Certification Training	Schneider Electric	Active training	Automation & Drives	Drives Basics, Harmonics, EMC, Mounting & Cabling (ATV340)	Not in source	[1]

ASHE Energy Manager	Professional Certification Training	Schneider Electric / ASHE	In Progress	C001	Energy Management, IPMVP, power factor analysis	Not in source	[1]
Sustainability School	Professional Certification Training	Schneider Electric	In Progress	C002	Renewable energy, smart grid	Not in source	[1]
Basic Machines with PacDrive 3	Industrial Technical Test	Schneider Electric	Failed	C003	PacDrive 3, Automation	Not in source	[1]
Copilot Pro	Professional Subscription	Microsoft	Active	Microsoft account	AI companion, productivity	Not in source	[1]
Microsoft 365 Basic	Professional Subscription	Microsoft	Expired	Microsoft account	Premium apps, ad-free email, support	Not in source	[1]
Explore AI basics	Professional Module	Microsoft Learn	Done	AI Fluency	Machine learning, AI types	Not in source	[1]
Introduction to GitHub administration	Professional Module	Microsoft Learn	Done	GitHub Fundamentals	Roles, access control	Not in source	[1]
Introduction to Data Engineering on Azure	Professional Credentials	Microsoft	Certified	Not in source	Azure, Data Engineering	Not in source	[4]

Diploma in Teaching Skills For Educators	Academic Research	Alison	Certified	Not in source	Pedagogy	Not in source	[4]	

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Project or Item Title	ID or Label Name	Category	Description	Input Type	Source
Azure DevOps Item	1222	Crime Management	Contractor - Associate Investigator General focused on evidence mapping and legal reform.	DevOps Board	[1]
Azure DevOps Boards Engineering Project	4702024FCV001046	Crime Management	Domestic violence case record linked to protection order applications.	Case Item	[2]

Web-Based Crime Management System for Samara City Main Police Station	Not in source	Crime Management	An online application for citizens to report crimes and for police to manage records, database retrieval, and automated reporting.	Web Interface	[1], TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACTURE,,, framework.pdf, UserForm17 police student registrar tshingombe tank ,,career.frm3.pdf
Azure DevOps Item	1165 Engineering	IT Asset Management Administrator role/task involving compliance automation and asset tracking.		DevOps Board	[1]

Azure DevOps Item	904	Engineering	Applications Design Lead role involving modular systems architecture and VBA frameworks.	DevOps Board	[1]
Azure DevOps Item	1208	Engineering	Associate Resolution Planning Specialist focused on risk-based compliance and systemic reform.	DevOps Board	[1]
discovery career science technical engineering	86	Engineering	Azure DevOps work item related to discovery in career science and technical engineering.	Azure DevOps Item	[3]

engineering trade programe	85	Engineering	Azure DevOps work item regarding an engineering trade program.	Azure DevOps Item	[3]
nrf engineering	84	Engineering	Azure DevOps board work item regarding National Research Foundation engineering project.	Work Item	[3], Work items - Boards azure tshingombe.pdf
engineering nated nvc excell research tvet	83	Engineering	Work item covering NATED, NVC, Excel research for TVET and engineering standards.	Work Item	[3], Work items - Boards azure tshingombe.pdf

Engineering Visual Excell MS Word	82 Engineering	Azure DevOps board work item regarding engineering documentation using Microsoft tools.	Work Item	Work items - Boards azure tshingombe.pdf
engineering visual basic	81 Engineering	Azure DevOps board work item regarding Visual Basic software development in engineering.	Azure DevOps Item	[3], Work items - Boards azure tshingombe.pdf
engineering visual basic	80 Engineering	Azure DevOps board work item focused on data systems using Visual Basic.	Work Item	Work items - Boards azure tshingombe.pdf

engineering visual basic	79	Engineering	Work item focused on Engineering and Visual Basic.	Azure DevOps Item	[3]
engineering data system	74	Engineering	Work item for development of engineering data systems.	Azure DevOps Item	[3]
Azure DevOps Boards Engineering Project	1042024CIV004539	Engineering	A civil law related item identified in the system as screen application status.	Work Item	[2]
Azure DevOps Boards Engineering Project	112024CIV000013	Engineering	Civil engineering task or case record within the DOJ tracking system.	Work Item	[2]

Advanced Studies in Autonomous Vehicles		37.1 Engineering	Engineering principles and technological innovations driving autonomous systems and drones.	Course Topic	[4]
Data Processing and Hosting Services		16.1 Engineering	Advanced concepts in managing vast amounts of data and hosting infrastructure.	Course Topic	[4]
Information Management System (IMS) Prototype	Kfrm1-Kfrm6	Engineering	A modular VB-based form architecture for secure registration, biometric validation, and credential handling.	VB UserForm	[1]

Design and implementation of a modular, form-driven Information Management System (IMS)	Academic Topic 1	Academic Research	Research on secure registration, biometric validation, and credential handling.	Research Paper/Topic	[1], [5]
Curriculum Assessment in Trade & Engineering Education	Academic Topic 2	Academic Research	Report examining integration of career education materials, award certificates, and audit-ready documentation.	Didactic Report	[6], new 2career engineering.2.pdf

Smart Grid & AI-Based Automation	Research Proposal 1	Academic Research	Research on AI-based predictive maintenance in industrial systems and machine learning for power transformers.	Research Proposal	[6]
Wireless Technologies	Research Proposal 2	Academic Research	Developing high-efficiency resonant inductive coupling systems for wireless power transmission.	Research Proposal	[6]
Masters in Cryptocurrency and Blockchain Applications	17.1	Academic Research	In-depth exploration of blockchain technology and digital currency foundations.	Course Topic	[4]

Academic Research Topic	Not in source	Academic Research	The Impact of Nanotechnology on Society, Education, and Employment in the Fourth Industrial Revolution.	Expo Category: Social Sciences	[1]
VBA UserForm Component	Label11	Component	A label component in a VBA UserForm triggered by a click event; also used for label number.	Click Event / TextBox10	[1], TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACTURE,,, framework.pdf

VBA UserForm Component	Label16	Component	A label component in a VBA UserForm triggered by a click event; also used for triac.	Click Event / TextBox15	[1], TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
VBA UserForm Component	Label19	Component	A label component in a VBA UserForm triggered by a click event.	Click Event	[1]
VBA UserForm Component	Label20	Component	A label component in a VBA UserForm triggered by a click event.	Click Event	[1]
VBA UserForm Component	TextBox29	Component	A textbox component in a VBA UserForm that triggers on change.	Text Change	[1]

VBA UserForm Component	TextBox3	Component	A textbox component in a VBA UserForm that triggers on change.	Text Change	[1]
VBA UserForm Component	TextBox9	Component	A textbox used for capturing fault codes such as FDR-TRP and protocols like IEC61850.	Key Down/Press/Mouse	[1]
Kfrm1	Initial registration	Component	Form for initial user registration including name, surname, ID, and cellphone details.	TextBox, Label	[5]

Kfrm2	Address and birthday capture	Component	Form used for capturing user address and birth date information.	TextBox, Label	[5]
Kfrm3	Registration confirmation	Component	Form used for confirming the user registration process.	Label	[5]
Kfrm4	Login	Component	Form for account login and password recovery.	TextBox, Label	[5]
Kfrm5	Password recovery	Component	Form for resending passwords and saving records.	Label	[5]
Kfrm6	Biometric validation	Component	Form for security scanning and biometric validation.	Label	[5]

Student Registration Form	student name	Component	Label for the student name entry on the data entry form.	Label	[4]
Automated Student Registration Form	frm dataentry	Component	VBA UserForm name for the automated student registration system.	UserForm	[4]
Simple Calculation in VB	operand 1	Component	Variable defined as a double to hold the first number in calculations.	Variable	[4]
Simple Calculation in VB	txt input	Component	Textbox for user input and result display in the visual basic calculator.	Textbox	[4]

Student Registration Form	txt student name	Component	Input field for capturing student's name on the registration interface.	Textbox	[4]
Requirement Component Tools	Label 2	Component	User interface element labeled for requirement component tools within a VBA form.	TextBox1	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACTURE,,, framework.pdf
Train Kit	Label 3	Component	User interface element labeled for train kit within a VBA form.	TextBox2	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACTURE,,, framework.pdf

Material Copper	Label 4	Component	User interface element labeled for material copper within a VBA form.	TextBox3	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Procedure Construction	Label 5	Component	User interface element labeled for construction procedure within a VBA form.	TextBox4	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Test 1, 2, 3	Label 6	Component	User interface element labeled for testing steps within a VBA form.	TextBox5	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf

Mounted	Label 7	Component	User interface element labeled for mounted status within a VBA form.	TextBox6	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Transistor Label Pin Desig	Label 12	Component	User interface element labeled for transistor pin designation within a VBA form.	TextBox11	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Semi Conductor	Label 13	Component	User interface element labeled for semiconductor within a VBA form.	TextBox12	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf

Diode	Label 14	Component	User interface element labeled for diode component within a VBA form.	TextBox13	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Thyristor	Label 15	Component	User interface element labeled for thyristor within a VBA form.	TextBox14	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf
Integer Circuit	Label 17	Component	User interface element labeled for integrated circuits within a VBA form.	TextBox16	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACT URE,,, framework.pdf

Oscillator	Label 18	Component	User interface element labeled for oscillator component within a VBA form.	TextBox17	TRADE THEORY AND PRATICAL TOOLS LAB WORKSHOP MANUFACTURE,,, framework.pdf
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Learner Name	Qualification Title	Institution	SAQA ID / Asset ID	NQF Level	Credits	Status / Date	ID Number / Identifier	Source
Tshingombe Tshitadi (Fiston)	National N Diploma: Engineering Studies	St Peace College / DHET / Sekhukhune TVET College / SAQA	90674 / 09121 / 111285	6	360	Submitted or Pending / 2024-02-12	TIRCG00091061010 / 2004007064381 / 2100002023812	[1-3]

Tshingombe Tshitadi (Fiston)	ECSA Portal Certificate (CPD)	ECSA / Schneider Electric / Microsoft / St Peace College	Not in source	Not in source	Not in source	Date of Award	TIRCG00091061010	[User Description, 4, 5, 6, 2922]
Tshingombe Tshitadi	Assessor and Moderator Certificate: Engineering Electrical	St Peace College / PSIRA / SASSETA	1.12E+11		4 Not in source	Date of Award	TIRCG00091061010	[3-5]
TSHINGOMBEKB TSHITADI	Diploma in Certified Information Systems Security Professional (CISSP 2024)	Alison	Not in source	Not in source	Not in source	11/1/2025	Not in source	[3]
TSHINGOMBEKB TSHITADI	Diploma in Safety Engineering	Alison	Not in source	Not in source	Not in source	12/1/2025	Not in source	[3]
Tshingombe Tshitadi	Engineering Graduate Qualification	Microsoft	Not in source	Not in source	Not in source	2024-2027	Not in source	[3]

Tshingombe Tshitadi	National 4 Skills for Work: Engineering Skills	Scottish Qualifications Authority (SQA)	SCQF 7		7	24 Not in source	Not in source	[3]
Tshingombe Tshitadi	Diploma in Applied Psychology - Consumer Behavior	Alison	Not in source	Not in source	Not in source	Completed	Not in source	[2]
Tshingombe Tshitadi	Diploma in Outcome-based Education and Academic Quality Assurance	Alison	Not in source	Not in source	Not in source	Completed	Not in source	[2]
Tshingombe Tshitadi	Advanced Diploma in High School Chemistry	Alison	Not in source	Not in source	Not in source	Completed	Not in source	[2]
Tshingombe Tshitadi	N1 Certificate	Not in source		63375	2 40-60	Not in source	Entrance ID 67491	[2]
Tshingombe Tshitadi	Advanced Certificate in Advanced Phase Teaching	Not in source	67q0	Not in source	Not in source	Not in source	Not in source	[2]
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Learner Name	Qualification Title	Institution	SAQA ID / Asset ID	NQF Level	Status / Progress	Completion Date / Timestamp	Source
Tshingombe Tshitadi	National N Diploma Engineering	DHET / QCTO	90674 / 09121		6 Completed	2/12/2024	[1-6]
Tshingombe Tshitadi	National N Diploma: Art and Design	DHET / QCTO	66994		6 Completed	Not in source	[5]
Tshingombe Tshitadi	National Diploma in Policing	SASSETA / SAQA	Not in source		6 Completed	Not in source	[7, 8]
Tshingombe Tshitadi	Advanced Certificate: Education: Technical Education	Not in source	Not in source		6 Completed	Not in source	[5]
Tshingombe Tshitadi	Assessor / Moderator Engineering Electrical	EWSETA / EGA	649703717		5 Completed	4/4/2024	[4]

Tshingombe Tshitadi	National Certificate in Traffic Law	SAQA	Not in source	5 Completed	Not in source	[7]
Tshingombe Tshitadi	National Certificate in Paralegal Practice	SAQA	Not in source	5 Completed	Not in source	[7]
Tshingombe Tshitadi	National Certificate (Trade Test) Electrical Engineering	St Peace College / QCTO	Not in source	4 Completed	6/21/2024	[4, 5]
Tshingombe Tshitadi	Artisan Electronics Technician (Trade)	SAQA / SP Peace College	Not in source	4 Completed	6/20/2022	[4, 9]
Tshingombe Tshitadi	Banknote Equipment Repairer	SARB / SP Peace College	Not in source	3 Completed	6/20/2022	[9]
Tshingombe Tshitadi	National Certificate Engineering Studies N1	DHET / SAQA	63375 / 67491	2 Completed	Not in source	[3-6, 10]

Tshingombe Tshitadi	Banknote Equipment Mechanic	SARB / SP Peace College	Not in source	2	Completed	6/20/2022 [9]
Tshingombe Tshitadi	Banknote Technician Assistant	SARB / SP Peace College	Not in source	1	Completed	6/20/2022 [9, 11]
Tshingombe Tshitadi	SARAO Bachelor in Engineering Technology and Diploma in Engineering Technology Scholarships	SARAO / NRF	SBDET250721346098	Not in source	Pending (Designated Authority Submission Review)	7/21/2025 [6]
Tshingombe Tshitadi	Doctoral Degree in Electrical Engineering	St Peace College	Not in source	Not in source	Completed	12/1/2000 [6]
Tshingombe Tshitadi	Microsoft Assessment Certificate	St Peace College / Microsoft	TIRCG000910610	Not in source	Completed	4/9/2021 [12, 13]
Tshingombe Tshitadi	Agentforce Learning Path	Microsoft / Salesforce	Not in source	Not in source	Completed	11/16/2024 [14, 15]

Tshingombe Tshitadi	Advanced Diploma in High School Chemistry	Alison	Not in source	Not in source	Completed	6/1/2025	[3, 6]
Tshingombe Tshitadi	Diploma in Outcome-based Education and Academic Quality Assurance	Alison	Not in source	Not in source	Completed	6/24/2025	[3, 5, 6]
Tshingombe Tshitadi	Diploma in Applied Psychology - Consumer Behavior	Alison	Not in source	Not in source	Completed	6/25/2025	[3, 5, 6]
Tshingombe Tshitadi	Advanced Certificate in Advanced Phase Teaching	DHET / SAQA	67q0	Not in source	Completed	Not in source	[3, 10]
Tshingombe Tshitadi	Trailmix #BuiltWithAgentforce Quest	Salesforce Trailhead	Not in source	Not in source	In Progress (86%)	11/17/2025	[3, 4]

Tshingombe Tshitadi	Psychometric Assessment for Caregivers and Counsellors	Alison / Trailhead (Salesforce)	Not in source	Not in source	In Progress (83%)	11/17/2025 [3, 4, 16]
Tshingombe Tshitadi	Quick Start: Lightning Web Components	Salesforce Trailhead	Not in source	Not in source	In Progress (66%)	11/17/2025 [3, 4, 6]
Tshingombe Tshitadi	MuleSoft RPA Design Documentation	Salesforce Trailhead	Not in source	Not in source	In Progress (33%)	11/17/2025 [4-6]
Tshingombe Tshitadi	Insurance Quoting Foundations	Trailhead (Salesforce)	Not in source	Not in source	In Progress (16%)	11/17/2025 [4, 6]
Fiston Tshingombe	DHET Transcript	DHET	2.1E+12	Not in source	Pending	6/3/2023 [10]
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